

# DIGITAL RADIO FREQUENCY INTERFERENCE CANCELLER

## ABSTRACT OF THE DISCLOSURE

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Disclosed are radio frequency (RF) interference cancellation techniques that effectively estimate RF interference to the data signals being received using a frequency domain model, and then remove the estimated RF interference from the received data signals. Improved techniques for digitally filtering multicarrier modulation samples to  
10 reduce sidelobe interference due to the RF interference are also disclosed.

SECRET